



U.S. Department of Agriculture

Forest Service
State and Private Forestry
Southeastern Area

FOREST PEST MANAGEMENT

Report # 81-3-10

Issued: 6/23/81

AERIAL DETECTION SURVEY OF FOREST INSECT AND DISEASE ACTIVITY, OZARK NATIONAL FOREST, ARKANSAS

LAND OWNERSHIP OR SURVEY AREA: Ozark-St. Francis National Forest

STATE: Arkansas

AREA WITHIN SURVEY BOUNDARY: 850,000 acres

DATE: June 17 & 18, 1981

PERCENT COVERAGE: 40%

AIRCRAFT: Helio Courier

CREW: R. Bassett, T. Russell; O.D. Smith, Supervisors Office, Ozark-St.
Francis National Forest

REPORT PREPARED BY: R. Bassett

SURVEY OBJECTIVES

To detect areas of oak dieout in order to establish estimates
of damage on the Ozark-St. Francis National Forest.

SURVEY TECHNIQUE

Standard aerial sketchmapping procedures were used on the aerial survey.

RESULTS

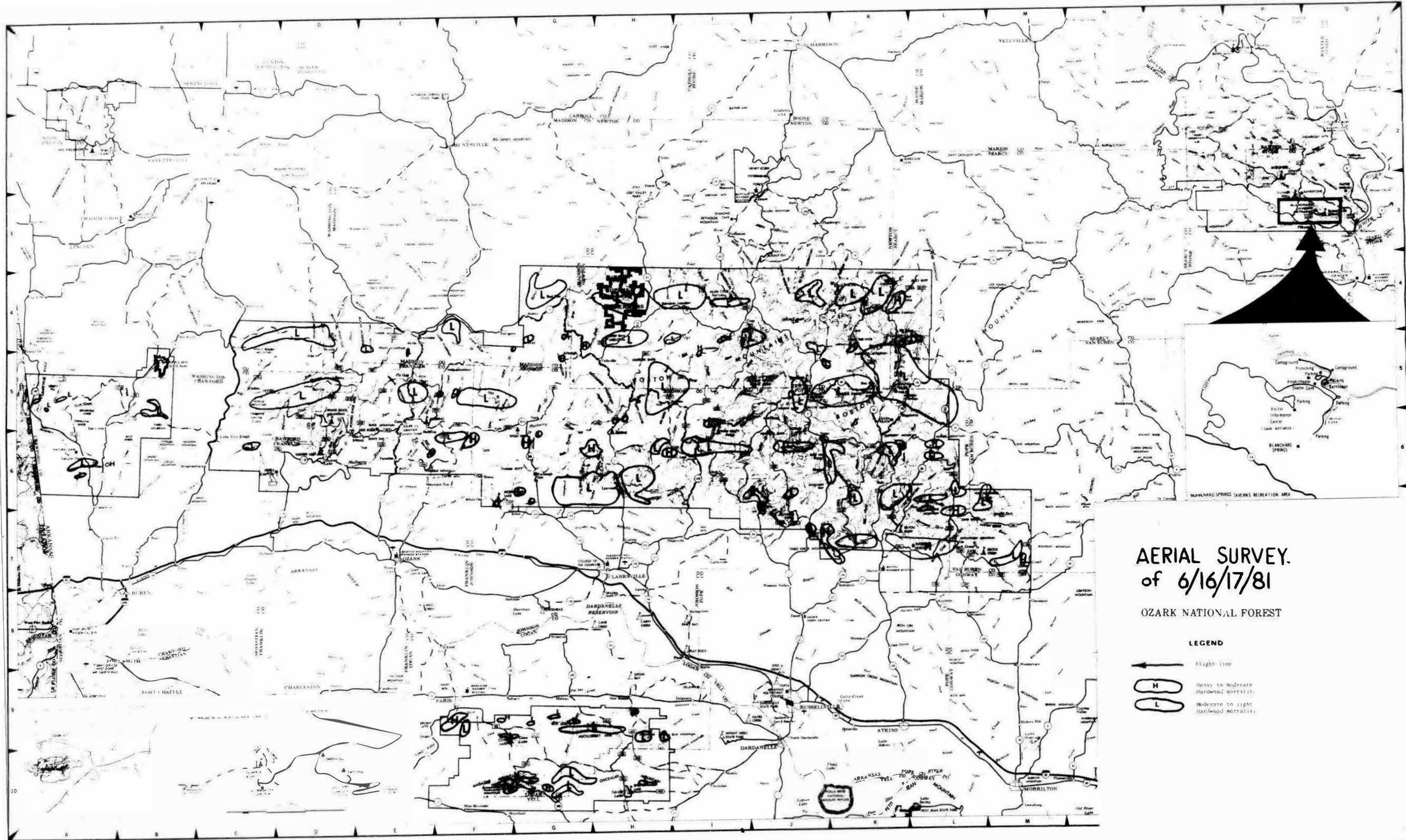
Considerable amounts of oak mortality were located and catagorized as either
light (light to moderate) or heavy (moderate to heavy), see map. Paul
Mistretta, pathologist at the Alexandria Field Office, Louisiana will conduct
a ground evaluation to determine the causal agent.

For additional information, contact:

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AERIAL SURVEY. of 6/16/17/81

OZARK NATIONAL FOREST

LEGEND

- Flight line
- H Heavy to moderate hardwood mortality.
- L Moderate to light hardwood mortality.